240701008

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Week-03-01-Practice Session-Coding: Attempt review | REC-CIS

3–4 minutes

Question 1

Correct

Marked out of 3.00

Question text

Write a program to read two integer values and print true if both the numbers end with the same digit, otherwise print false.
Example: If 698 and 768 are given, program should print true as they both end with 8.
Sample Input 1 25 53 Sample Output 1 false Sample Input 2 27 77

Sample Output 2 true

Answer:(penalty regime: 0 %)

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```c
#include<stdio.h>
int main(){
    int i1,i2;
    scanf("%d %d",&i1,&i2);
    if(i1%10 == i2%10){
        printf("true");
    }
    else{
        printf("false");
    }
    return 0;
}
```

Feedback

	Input	Expected	Got	
	25 53	false	false	

	Input	Expected	Got	
	27 77	true	true	

Passed all tests!

Question 2

Correct

Marked out of 5.00

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Question text

Objective

In this challenge, we're getting started with conditional statements.

Task

Given an integer, ***n***, perform the following conditional actions:

· If ***n*** is odd, print Weird

· If ***n*** is even and in the inclusive range of ***2*** to ***5***, print ***Not Weird***

· If ***n*** is even and in the inclusive range of ***6*** to ***20***, print ***Weird***

· If ***n*** is even and greater than ***20***, print ***Not Weird***

Complete the stub code provided in your editor to print whether or not ***n*** is weird.

Input Format

A single line containing a positive integer, ***n***.

Constraints

· $1 \leq n \leq 100$

Output Format

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Print Weird if the number is weird; otherwise, print Not Weird.

Sample Input 0

3

Sample Output 0

Weird

Sample Input 1

24

Sample Output 1

Not Weird

Explanation

Sample Case 0: ***n = 3*** ***n*** is odd and odd numbers are weird, so we print ***Weird***. *Sample Case 1:* ***n = 24*** ***n > 20*** and ***n*** is even, so it isn't weird. Thus, we print ***Not Weird***.

Answer:(penalty regime: 0 %)

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```c
#include<stdio.h>
int main(){
    int n;
    scanf("%d",&n);
    if(n%2==1 ||( n%2==0 && 6<n && n<10)){
        printf("Weird");
    }
    else if(n%2==0 && ( (n>=2 && n<=5) || n>20)){
        printf("Not Weird");
    }
    return 0;
}
```

Feedback

	Input	Expected	Got	
	3	Weird	Weird	
	24	Not Weird	Not Weird	

Passed all tests!

Question 3

Correct

Marked out of 7.00

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Question text

Three numbers form a Pythagorean triple if the sum of squares of two numbers is equal to the square of the third. For example, 3, 5 and 4 form a Pythagorean triple, since 3*3 + 4*4 = 25 = 5*5 You are given three integers, a, b, and c. They need not be given in increasing order. If they form a Pythagorean triple, then print "yes", otherwise, print "no". Please note that the output message is in small letters. Sample Input 1 3 5 4 Sample Output 1 yes Sample Input 2 5 8 2 Sample Output 2 no

Answer:(penalty regime: 0 %)

```c
#include<stdio.h>
int main(){
 int nums[3];
 scanf("%d %d %d",&nums[0],&nums[1],&nums[2]);
 for(int i=0;i<2;i++){
     for(int j = i+1;j<3;j++){
         if(nums[i]>nums[j]){
             int temp = nums[i];
             nums[i]=nums[j];
             nums[j] = temp;
         }
     }
 }
 if((nums[0]*nums[0]+ nums[1]*nums[1]) == (nums[2]*nums[2])){
     printf("yes\n");
 }else {
     printf("no\n");
 }









    return 0;
}

```

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Feedback

	Input	Expected	Got	
	3 5 4	yes	yes	
	5 8 2	no	no	

Passed all tests!